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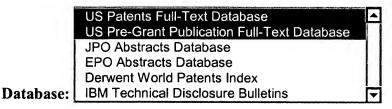
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Cases

Search Results -

Terms	Documents
L4 and 13	16



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DATE: Thursday, February 21, 2002 Printable Copy Create Case

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DB=US	SPT,PGPB; PLUR=YES; OP=AND		
<u>L5</u>	L4 and 13	16	<u>L5</u>
<u>L4</u>	toxicity	64321	<u>L4</u>
<u>L3</u>	L2 and 11	63	<u>L3</u>
<u>L2</u>	(gene or protein) near8 expression	32678	<u>L2</u>
<u>L1</u>	embryoid adj body	71	<u>L1</u>

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 16 of 16 returned.

☐ 1. Document ID: US 20020019046 A1

L5: Entry 1 of 16

File: PGPB

Feb 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020019046

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020019046 A1

TITLE: Direct differentiation of human pluripotent stem cells and characterization of

differentiated cells

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KVMC Draw Desc Image

☐ 2. Document ID: US 20020009743 A1

L5: Entry 2 of 16

File: PGPB

Jan 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020009743

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020009743 A1

TITLE: Neural progenitor cell populations

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. Desc Image

☑ 3. Document ID: US 20010039006 A1

L5: Entry 3 of 16

File: PGPB

Nov 8, 2001

PGPUB-DOCUMENT-NUMBER: 20010039006

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010039006 A1

TITLE: Toxicity typing using embryoid bodies

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw Desc Image

☐ 4. Document ID: US 6342356 B1

L5: Entry 4 of 16

File: USPT

Jan 29, 2002

US-PAT-NO: 6342356

DOCUMENT-IDENTIFIER: US 6342356 B1

TITLE: Methods and regents for identifying synthetic genetic elements

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KWIC Draw. Desc Image

Record List Display Document ID: US 6156733 A ht

http://westbrs:8002/bin/gate.exe?f=TOC&s...mmtj.6&ref=5&dbname=USPT,PGPB&ESNAME=CIT

L5: Entry 5 of 16

File: USPT

Dec 5, 2000

US-PAT-NO: 6156733

DOCUMENT-IDENTIFIER: US 6156733 A

TITLE: Use of leukemia inhibitory factor and endothelin antagonists

Full Title Citation Front Review Classification Date Reference Sequences Attachments RMC Draw Desc Image

☐ 6. Document ID: US 6117650 A

L5: Entry 6 of 16

File: USPT

Sep 12, 2000

US-PAT-NO: 6117650

DOCUMENT-IDENTIFIER: US 6117650 A

TITLE: Assay for cardiac hypertrophy

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMC Draw. Desc Image

7. Document ID: US 6007993 A

L5: Entry 7 of 16

File: USPT

Dec 28, 1999

US-PAT-NO: 6007993

DOCUMENT-IDENTIFIER: US 6007993 A

TITLE: In vitro test for embryotoxic and teratogenic agents using differentiation-dependent

reporter expression in pluripotent rodent embryonic cells

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMC Draw Desc Image

☐ 8. Document ID: US 5837241 A

L5: Entry 8 of 16

File: USPT

Nov 17, 1998

US-PAT-NO: 5837241

DOCUMENT-IDENTIFIER: US 5837241 A

TITLE: Method of treating heart failure using leukemia inhibitory factor antagonists optionally

with endothelin antagonists

Full Title Citation Front Review Classification Date Reference Sequences Attachments

9. Document ID: US 5723585 A

L5: Entry 9 of 16

File: USPT

Mar 3, 1998

KWMC Draw Desc Image

US-PAT-NO: 5723585

DOCUMENT-IDENTIFIER: US 5723585 A

TITLE: Method of purifying cardiac hypertrophy factor

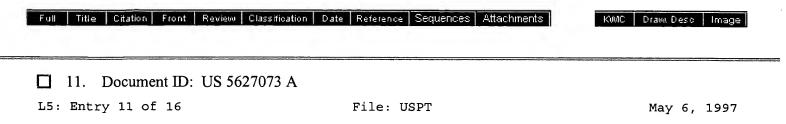
Full Title Citation Front Review Classification Date Reference Sequences Attachments KMC Draw. Desc Image

Record List Display http://westbrs:8002/bin/gate.exe?f=TOC&s...mmtj.6&ref=5&dbname=USPT,PGPB&ESNAME=CIT ☐ 10. Document ID: US 56**26**45 A L5: Entry 10 of 16 File: USPT Oct 21, 1997

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DOCUMENT-IDENTIFIER: US 5679545 A

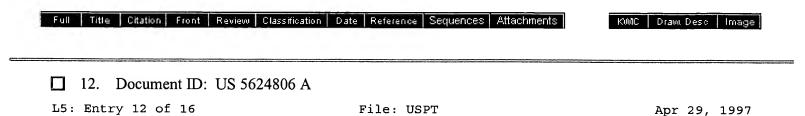
TITLE: Gene encoding cardiac hypertrophy factor



US-PAT-NO: 5627073

DOCUMENT-IDENTIFIER: US 5627073 A

TITLE: Hybridomas producing antibodies to cardiac hypertrophy factor



US-PAT-NO: 5624806

DOCUMENT-IDENTIFIER: US 5624806 A

TITLE: Antibodies to cardiac hypertrophy factor and uses thereof



File: USPT

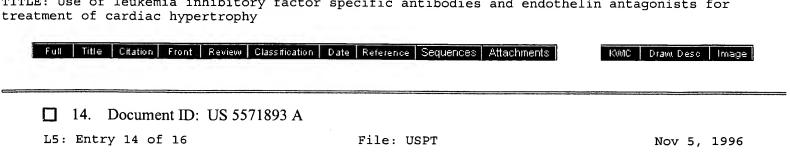
Nov 12, 1996

US-PAT-NO: 5573762

DOCUMENT-IDENTIFIER: US 5573762 A

L5: Entry 13 of 16

TITLE: Use of leukemia inhibitory factor specific antibodies and endothelin antagonists for



US-PAT-NO: 5571893

DOCUMENT-IDENTIFIER: US 5571893 A

TITLE: Cardiac hypertrophy factor

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 Terms
 Documents

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Display Format: CIT Change Format

<u>Previous Page</u> <u>Next Page</u>

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(FILE 'HOME' ENTERED AT 17:47:12 ON 21 FEB 2002)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 17:47:23 ON 21 FEB 2002

L1 1650 S EMBRYOID(W)BODY

693 S (CHEMICAL OR TEST) (W) COMPOUND (10A) TOXICITY

L2 693 S (CHEMICAL L3 0 S L1 AND L2

L4 29945 S (CHEMICAL OR TEST) (W) COMPOUND

L5 4 S L1 AND L4

L6 1 DUP REM L5 (3 DUPLICATES REMOVED)

1066502 S (GENE OR PROTEIN) (8A) EXPRESSION

L8 571 S L1 AND L7

L9 6 S L8 AND TOXICITY

L10 252 DUP REM L8 (319 DUPLICATES REMOVED)

L11 3 DUP REM L9 (3 DUPLICATES REMOVED)

=> d au ti so ab 16

L6 ANSWER 1 OF 1 MEDLINE

DUPLICATE 1

AU Schmidt M M; Guan K; Wobus A M

TI Lithium influences differentiation and tissue-specific gene expression of mouse embryonic stem (ES) cells in vitro.

SO INTERNATIONAL JOURNAL OF DEVELOPMENTAL BIOLOGY, (2001 Apr) 45 (2) 421-9.

Journal code: AV3; 8917470. ISSN: 0214-6282.

AB The effects of lithium chloride (LiCl) on differentiation of mouse embryonic stem (ES) cells were investigated in order to evaluate the ES cell test (EST) used in a European Union validation study for screening of

embryotoxic agents in vitro. We show that LiCl inhibited concentration-dependently the differentiation of ES cells into cardiac

myogenic cells. Whereas the inhibition of cardiac differentiation by high concentrations of LiCl was obvious at day 5 + 5, decreased skeletal muscle

cell differentiation was observed only at day 5 + 8. Semi-quantitative RT-PCR analyses revealed significantly lower levels of mRNA encoding cardiac-specific alpha-myosin heavy chain and skeletal muscle-specific myoD. By morphological investigation, an influence of lithium on neuronal differentiation was not evident. However, mRNA levels of genes encoding synaptophysin and the 160 kDa neurofilament protein were increased by

LiCl concentrations, whereas mRNA levels of mash-1 and Engrailed-1 were decreased, suggesting a specific influence of lithium on neuronal differentiation. Furthermore, LiCl treatment resulted in a slight, but non-significant increase of beta-catenin levels in ES cell-derived embryoid bodies. Our results demonstrate that the ES cell test, EST may be suitable to detect inhibitory effects of test compounds especially on cardiac differentiation, whereas effects on neuronal cells would not be detected. Therefore, we propose that morphological analyses of cardiac differentiation alone are insufficient to detect embryotoxic effects. The assay of other cell lineages at different developmental stages, and expression analyses of tissue-specific genes should also be employed.

L11 ANSWER 1 OF 3 MEDLINE

AU Schmidt M M; Guan K; Wobus A M

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L11 ANSWER 2 OF 3 MEDLINE DUPLICATE 1

AU Bremer S; Worth A P; Paparella M; Bigot K; Kolossov E; Fleischmann B K; Hescheler J; Balls M

TI Establishment of an in vitro reporter gene assay for developmental cardiac

toxicity.

SO TOXICOLOGY IN VITRO, (2001 Jun) 15 (3) 215-23. Journal code: DNS; 8712158. ISSN: 0887-2333.

AB This study is based on the unique potential of pluripotent embryonic stem (ES) cells to differentiate in vitro into embryoid bodies containing cell lineages representative of most cell types found in the mammalian fetus. However, the use of wild type ES cells as

in vitro assay for embryotoxicological studies is complicated by the simultaneous development of various cellular phenotypes. This prevents a quantitative assessment of drug effects on one specific cell type. Here

report the effects of 15 chemicals on cardiac differentiation as determined by various specific toxicological endpoints such as morphological inspection (contractile activity), quantitative mRNA analysis and cardiac-specific **expression** of green fluorescent

protein (GFP), used as a quantitative reporter. The data from the

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different endpoints have been subjected to a statistical analysis, and a preliminary prediction model is proposed. The results demonstrate that genetically-engineered ES cells could provide a valuable tool for estimating the developmental cardiotoxic potential of compounds in vitro and form the basis for automated analysis in a high-throughput system.

ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS

Toxicity typing using embryoid bodies

Snodgrass, H. Ralph

CODEN: PIXXD2

PCT Int. Appl., 56 pp.

IN

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This invention provides methods and systems for identifying and typing
AB
      toxicity of chem. compns., as well as for screening new compns.
      for toxicity. The invention involves detecting alterations in
      gene or protein expression and hence
      establishing mol. profiles in isolated mammalian embryoid
     bodies contacted with various chem. compns. of known and unknown
      toxicities, and correlating the mol. profiles with
      toxicities of the chem. compns.
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L11 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS
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      Toxicity typing using embryoid bodies
      Snodgrass, H. Ralph
Vistagen, Inc., USA
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      PCT Int. Appl., 56 pp.
      CODEN: PIXXD2
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